

SLU.P.0002

CLAIMS

What is claimed is:

- 1 1. A air treatment unit comprising:
 - 2 a module power socket;
 - 3 an air treatment duct having an interior defining an air path; and
 - 4 a light module that selectively engages said air treatment duct, said light module
 - 5 comprising:
 - 6 a housing having a baffle, said baffle extending across said air path when
 - 7 said light module engages said air treatment duct;
 - 8 an integral ultraviolet light source and light source socket, said ultraviolet
 - 9 light source being fixed to and extending through said baffle, such that said
 - 10 interior of said air treatment duct is exposed to ultraviolet light from said
 - 11 ultraviolet light source when said light module engages said air treatment duct and
 - 12 said ultraviolet light source is powered; and
 - 13 a connector that selectively mates with said module power socket, said
 - 14 connector being in power transmissive communication with said light source
 - 15 socket, wherein, when said light module selectively engages said air treatment duct
 - 16 and said connector selectively mates with said module power socket, said light
 - 17 module cannot be fully removed from its engagement with said air treatment duct.
- 1 2. The air treatment unit of claim 1, wherein said housing of said light module includes a
- 2 connector flange having an aperture that aligns with said module power socket when
- 3 said light module engages said air treatment duct.
- 1 3. The air treatment unit of claim 1, wherein said ultraviolet light source provides UV
- 2 energy corresponding to a wavelength of from about 100 to about 280 nanometers.